

Wendy's DRSC

Outdoor LED Conversion



Project Summary:

As part of its overall energy savings plans, Wendy's Corporation wanted to assess the potential of a retrofit of all exterior lighting at its corporate facility in Dublin, Ohio. We presented them a design to reconfigure and retrofit their system to LED and the savings potential was enormous.

The new system provides savings of 82% in energy and maintenance costs. Even more, we were able to eliminate 47 400 watt fixtures while improving the aesthetics and safety of the exterior. In some cases, entire rows of light poles around the complex were eliminated yet the campus is brighter and more evenly lit. The benefits include elimination of dark spots, an even blanket of light in the parking areas, and better lit roadways and sidewalks for increased safety. All savings numbers were verified by Wendy's corporate engineers.

Besides the obvious benefits and quality of light, the new lighting system will provide \$682,600 in energy and maintenance cost savings over a 20 year analysis period AND the system is guaranteed maintenance free for 7 years.

Product info:

- Lithonia, DSX2 LED Area Luminaire (right)
- The Size 2 is ideal for replacing 400-1000W metal halide in area lighting with energy savings up to 80% and expected service life of over 100,000 hours (20 years).

Project Highlights:

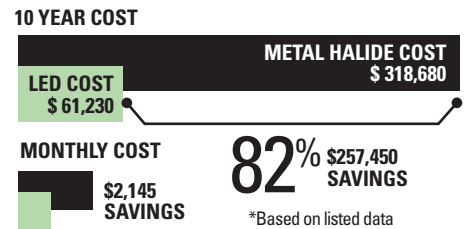
- 82% Energy Cost Savings
- \$2,844 Savings/Month
- \$128,726 5 Year Savings
- 3.8 Year Payback

Financial Benefits:

Net Cost:	\$ 91,694
Incentives	\$ 20,177
Energy Savings/yr	\$ 19,338
Maintenance Savings/yr	\$ 6,407
Total Savings/yr	\$ 25,745
Net Present Value	\$ 3,358
Internal Return Rate	14.75%

*Calculations are estimates based on registered data prior to project inception. Fixtures are Energy Star rated.

Savings Comparison



Call Loeb Electric at 614.294.6351 or go to loebelectric.com for more information.